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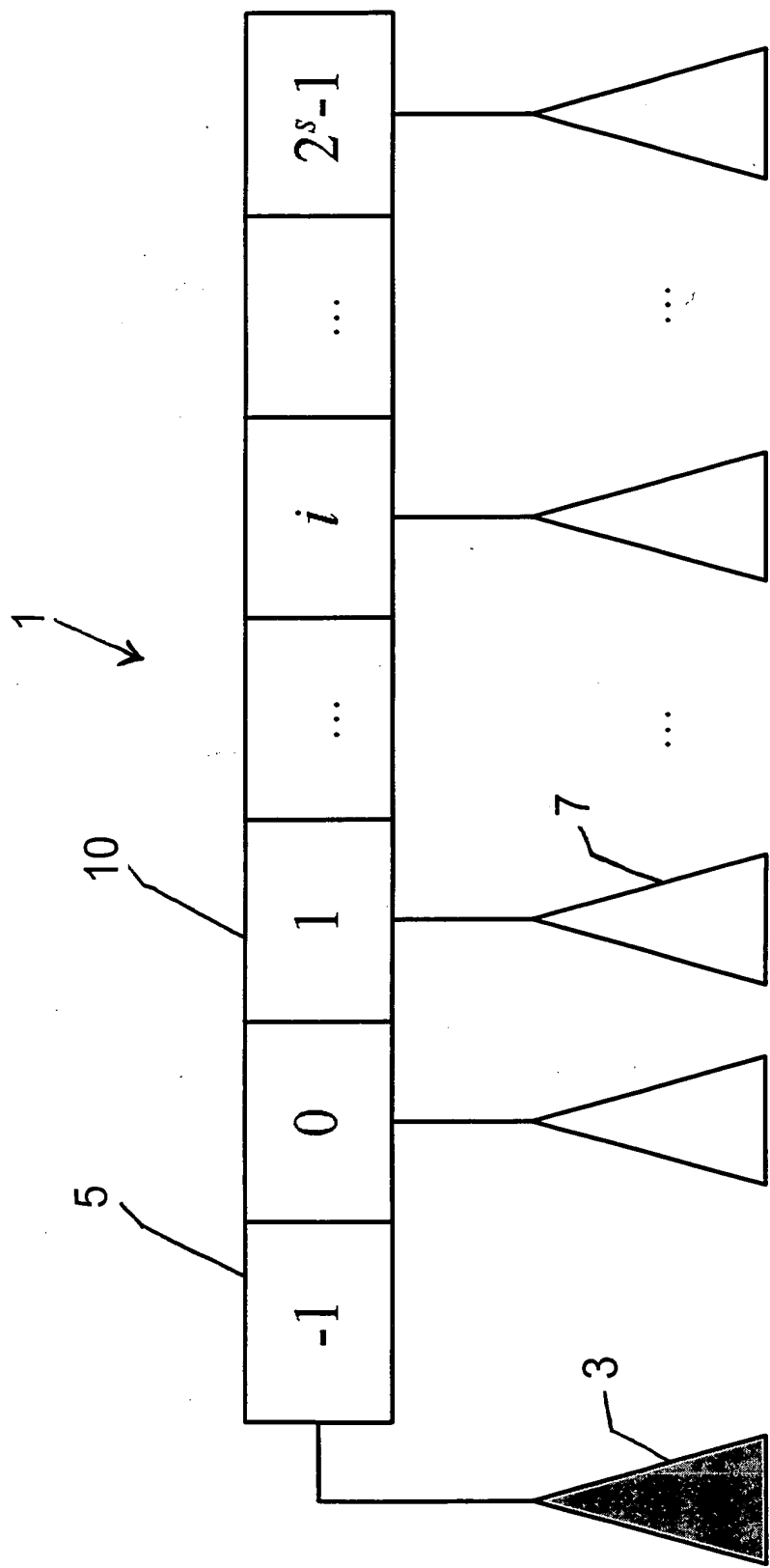


FIG. 1

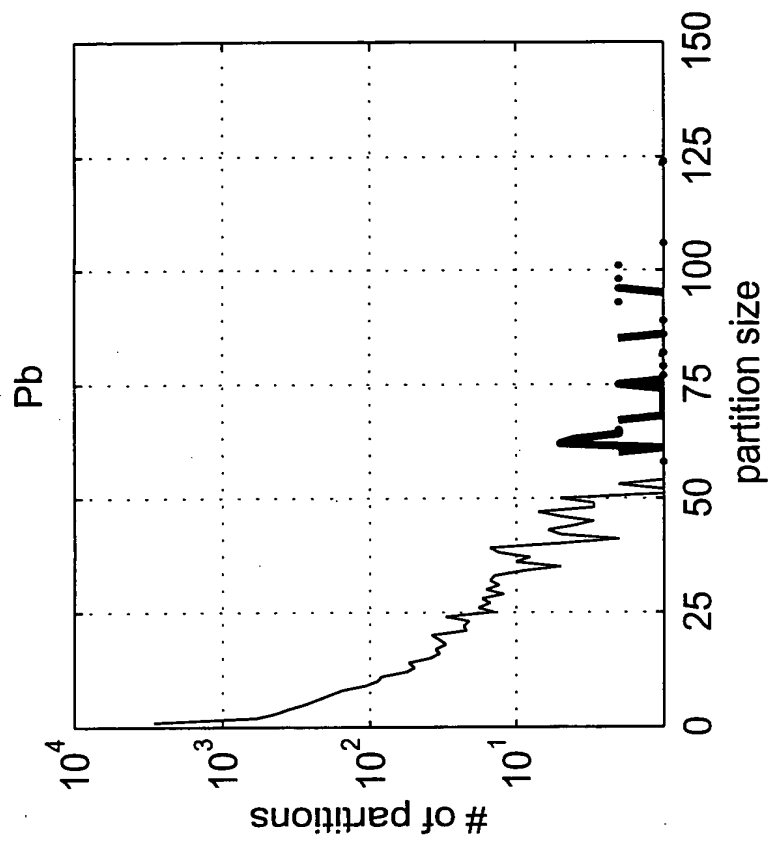


FIG. 2A

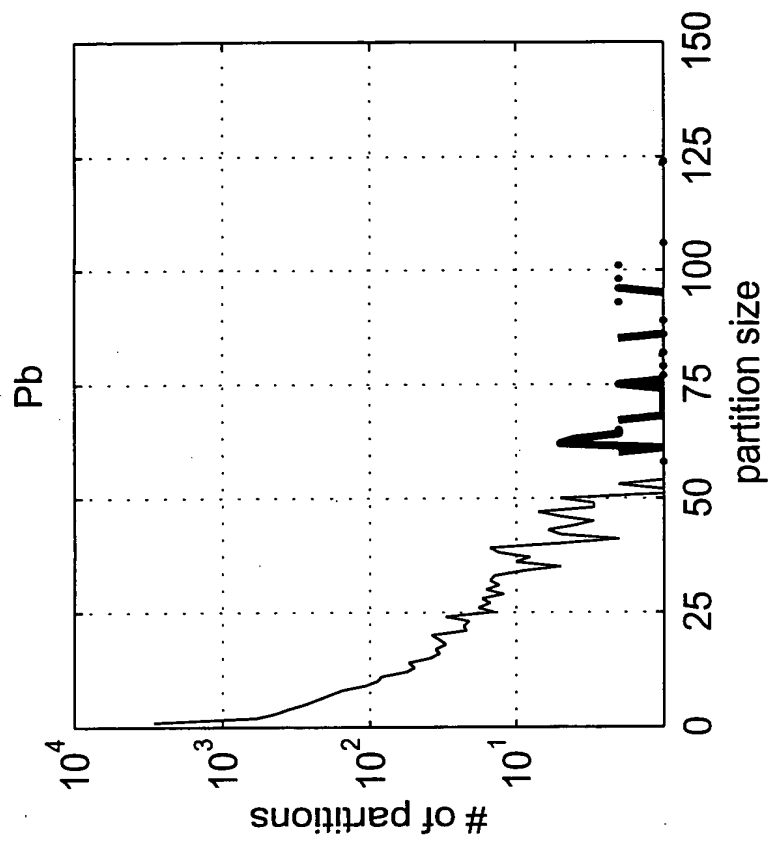


FIG. 2B

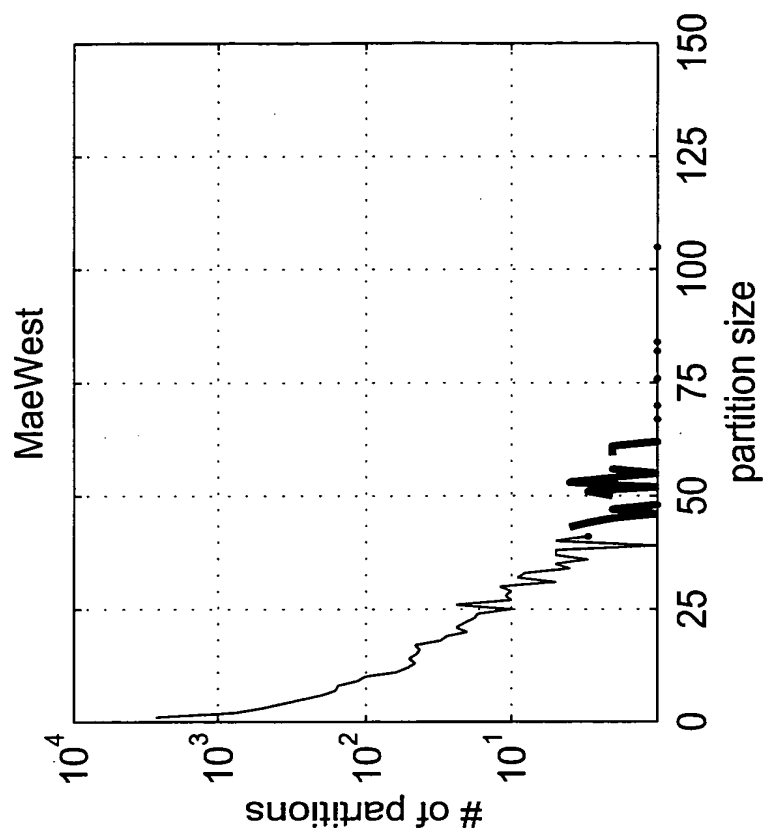


FIG. 2D

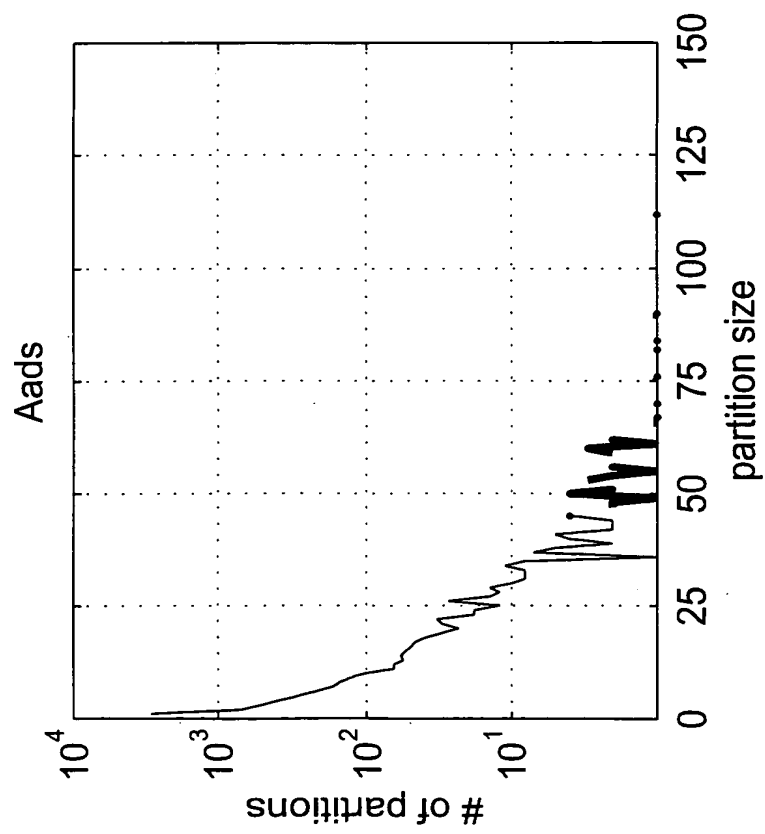


FIG. 2C

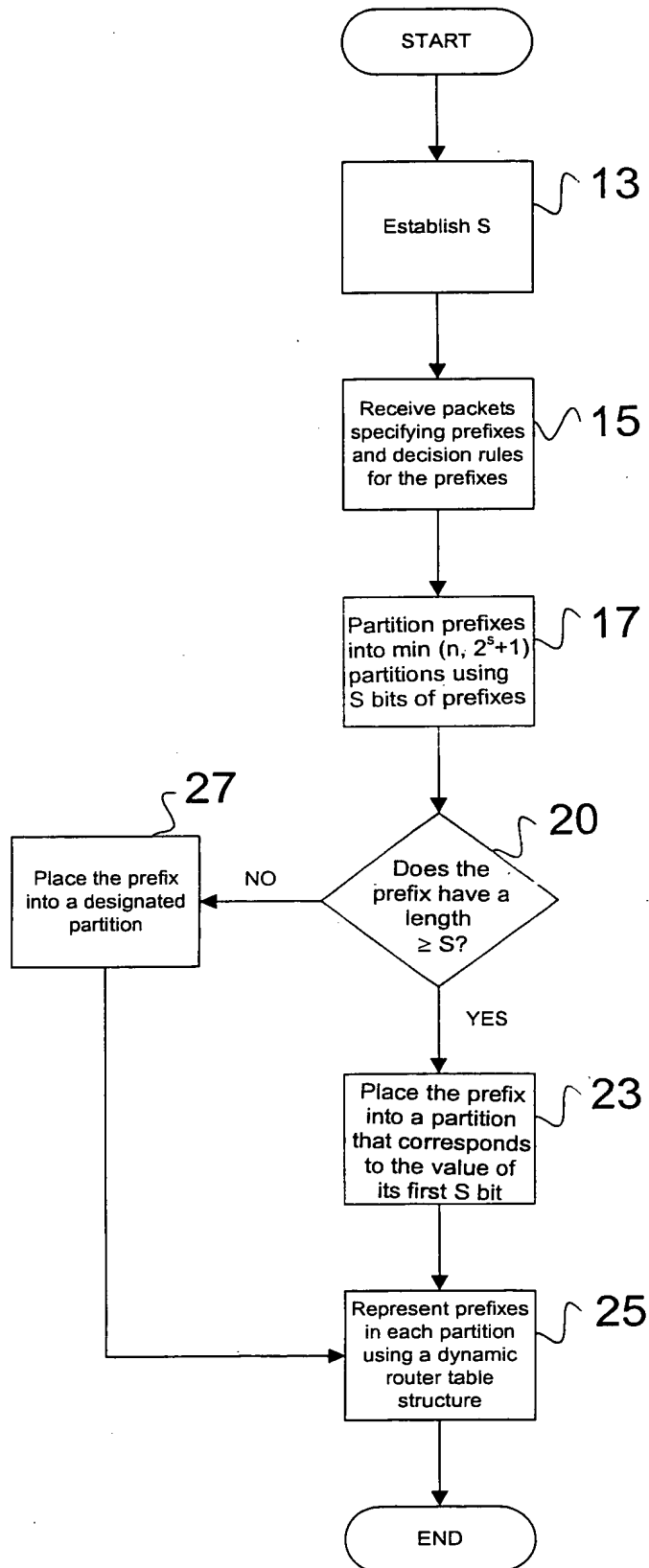


Figure 3

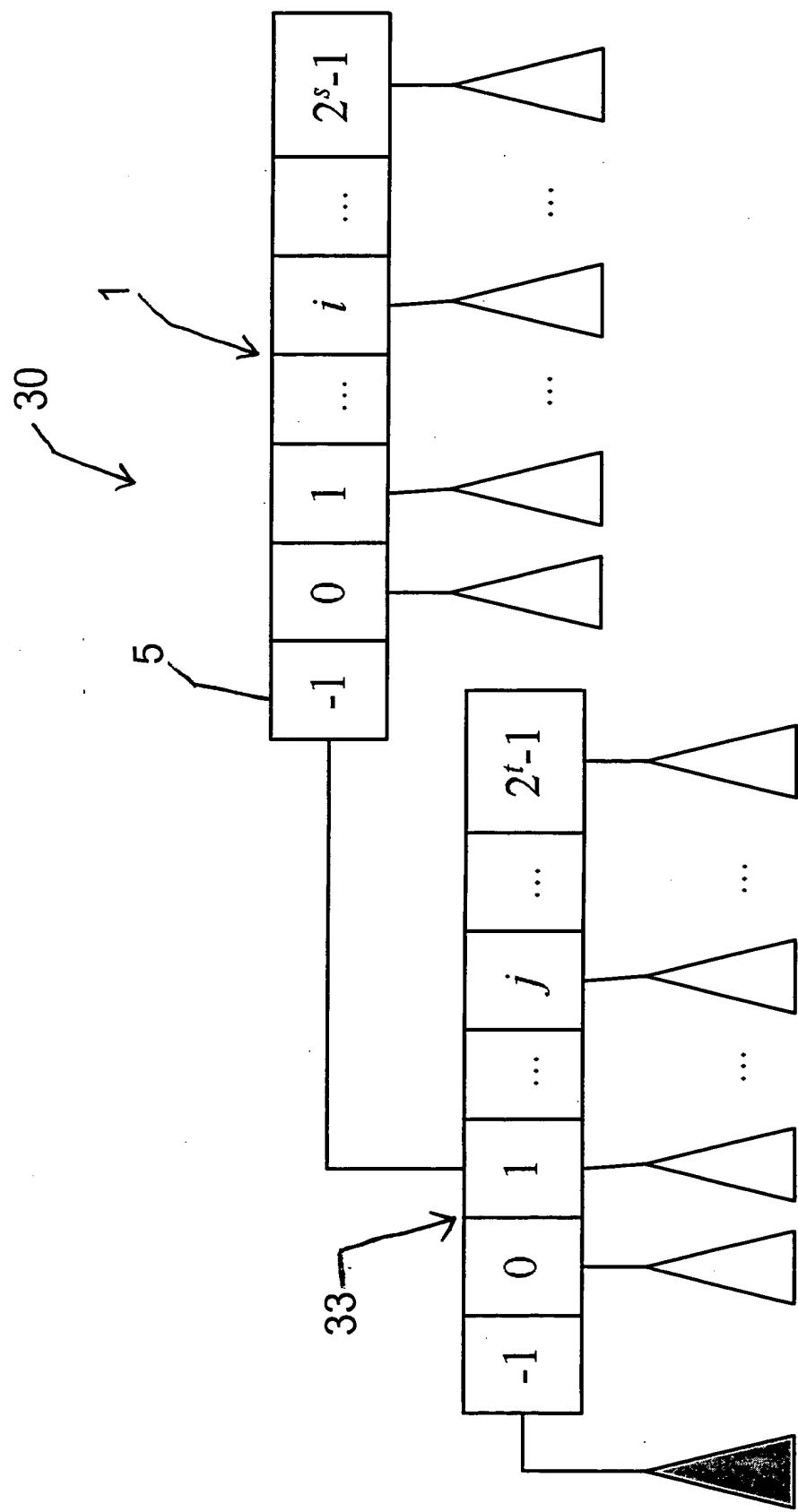
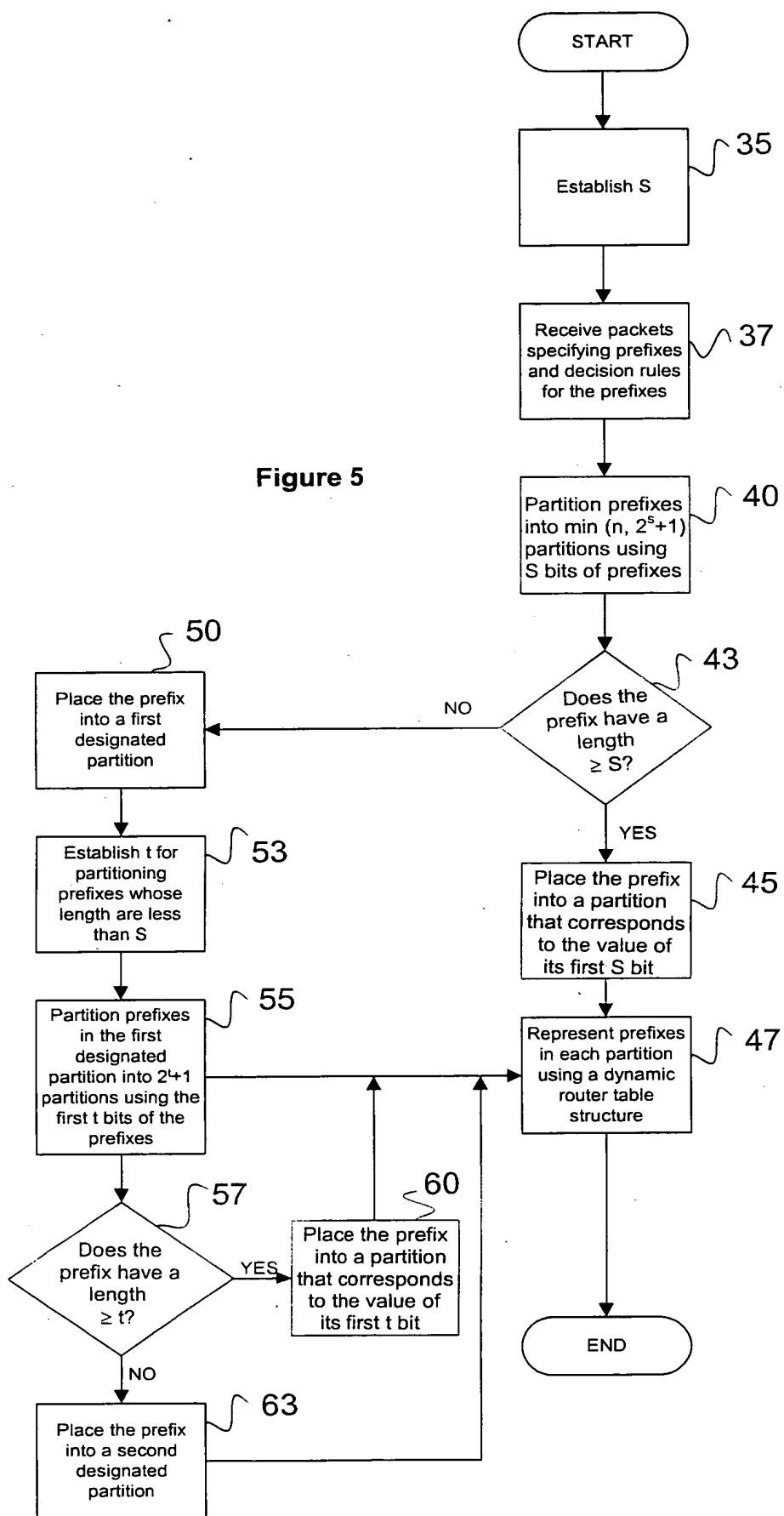


FIG. 4

Figure 5



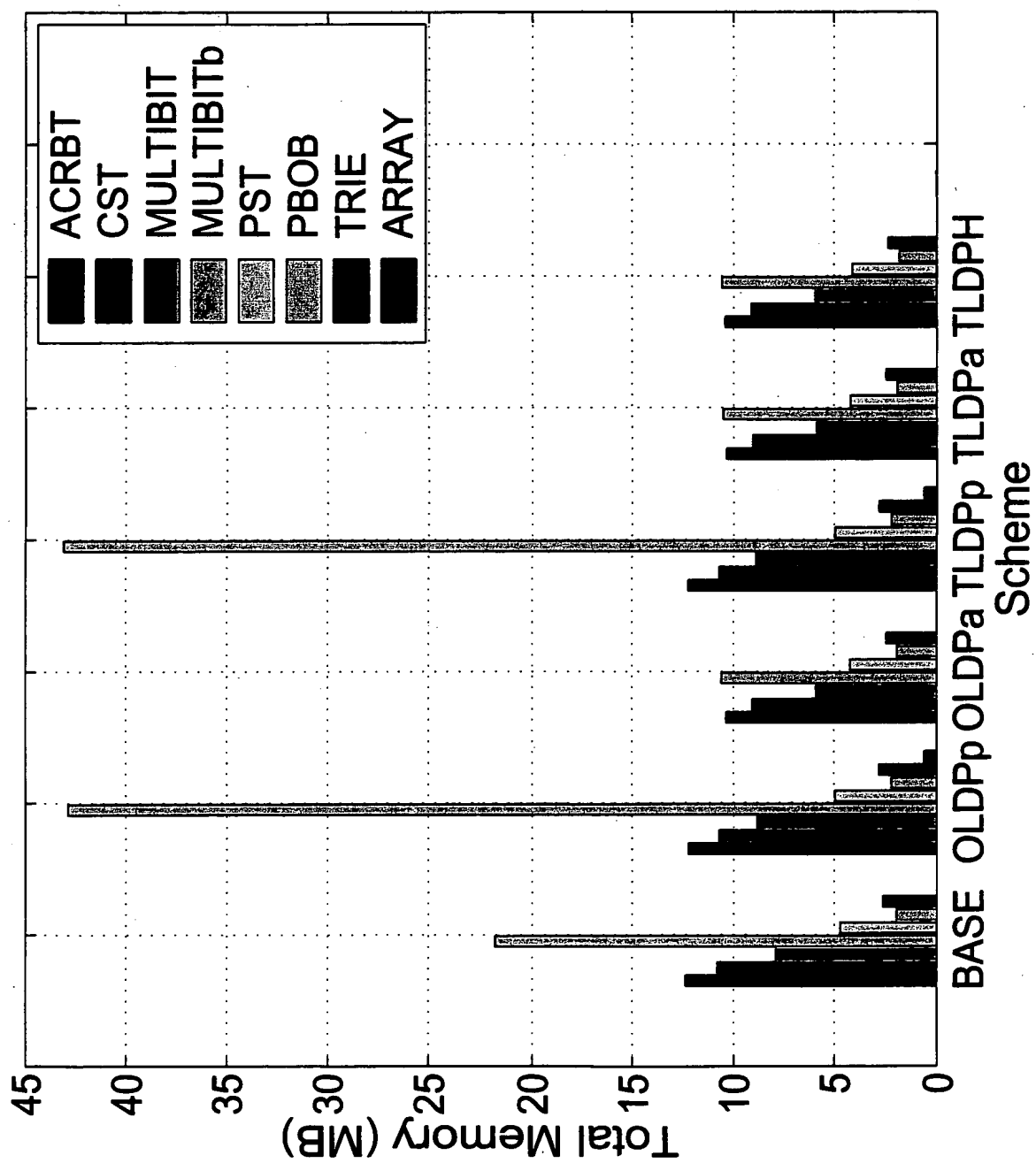


FIG. 6

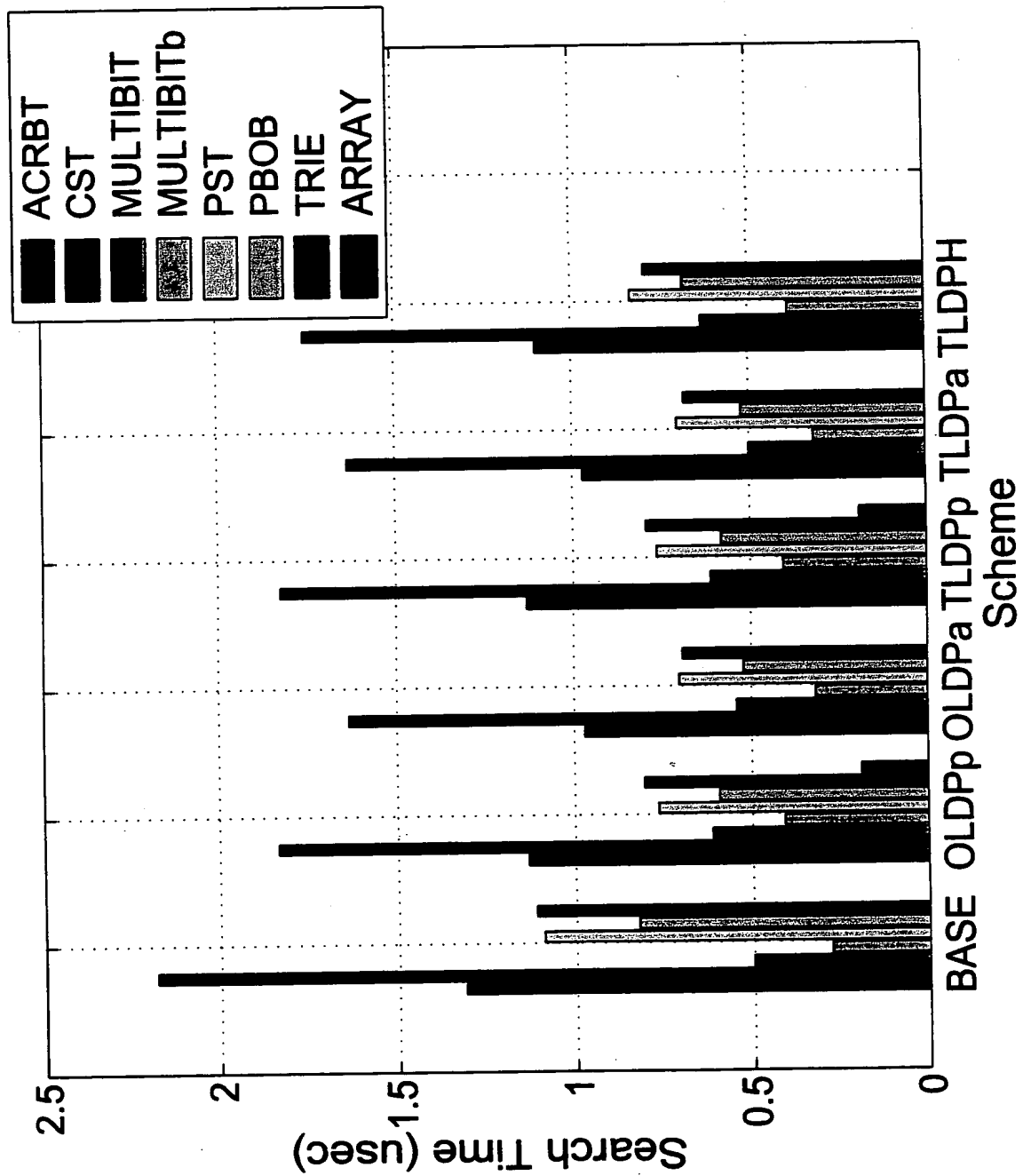


FIG. 7A

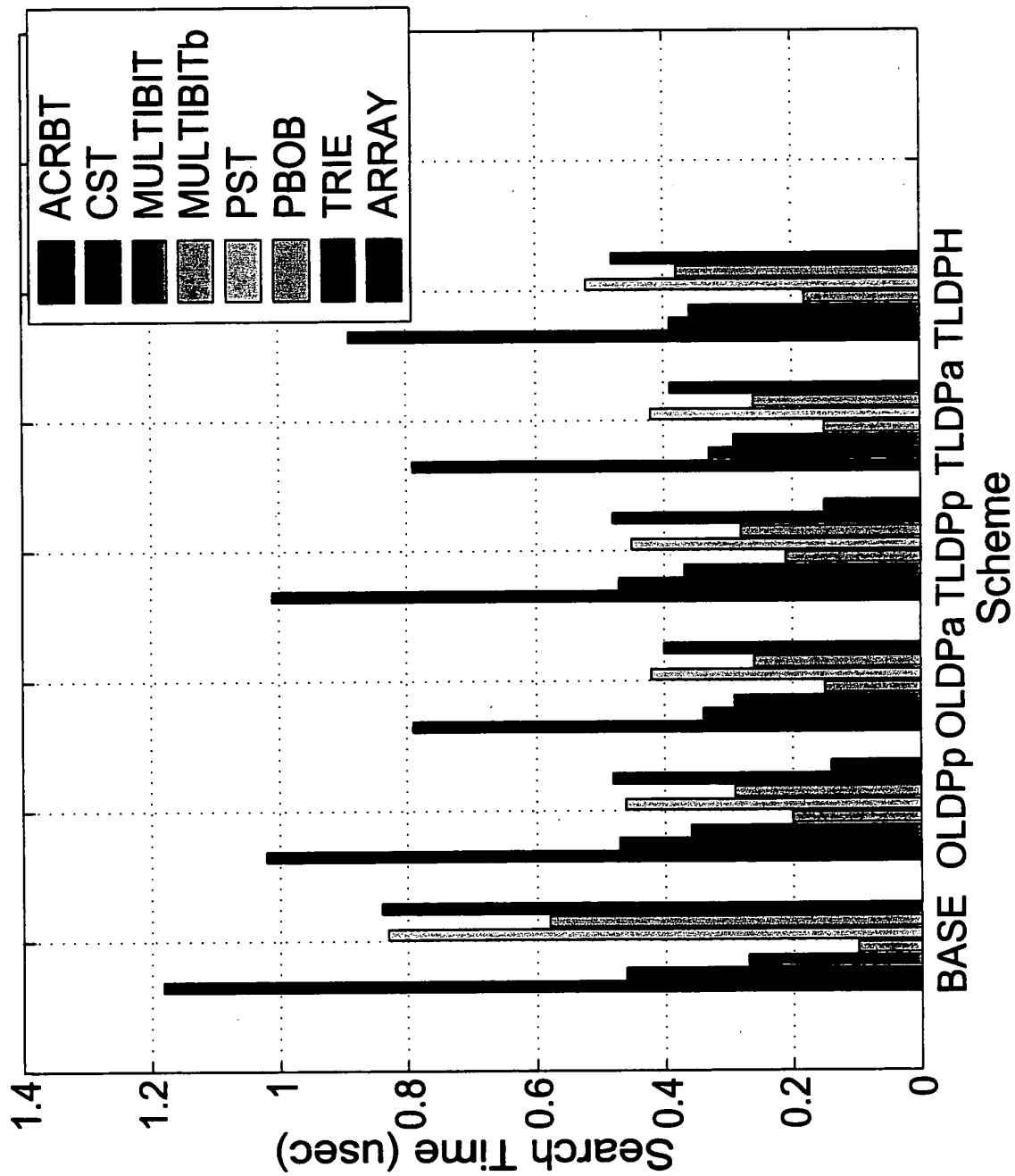


FIG. 7B

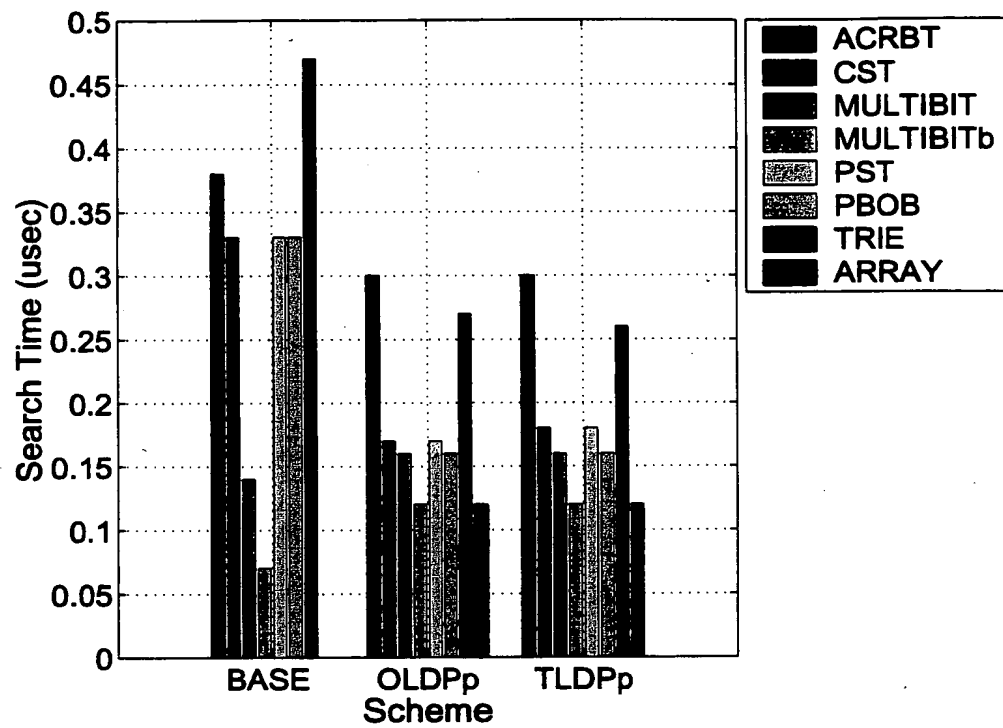


FIG. 7C

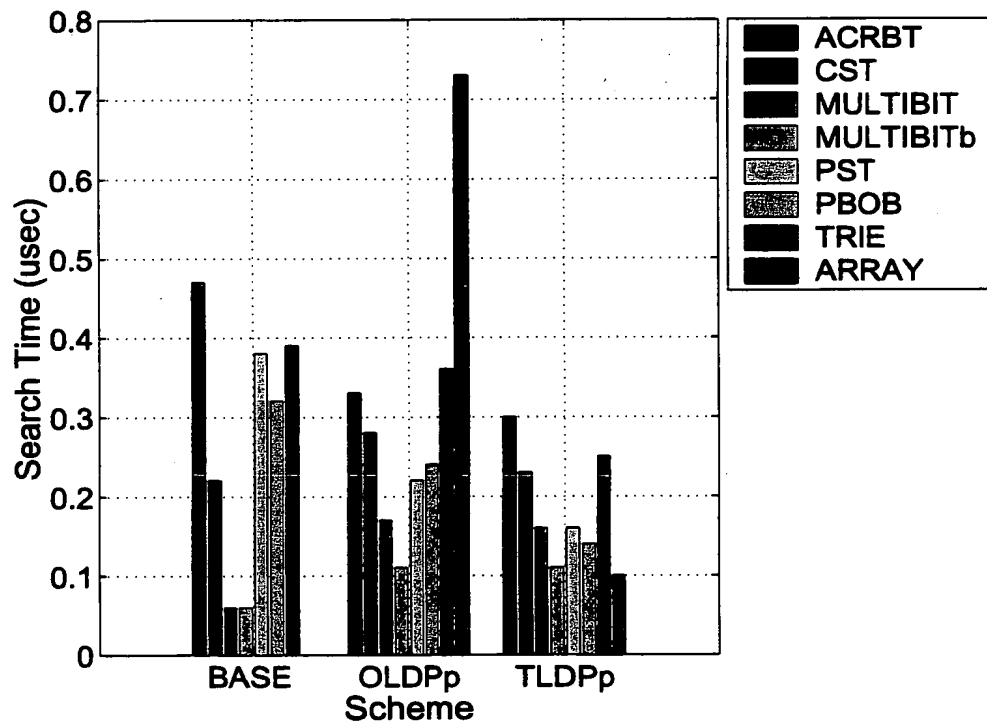


FIG. 7D

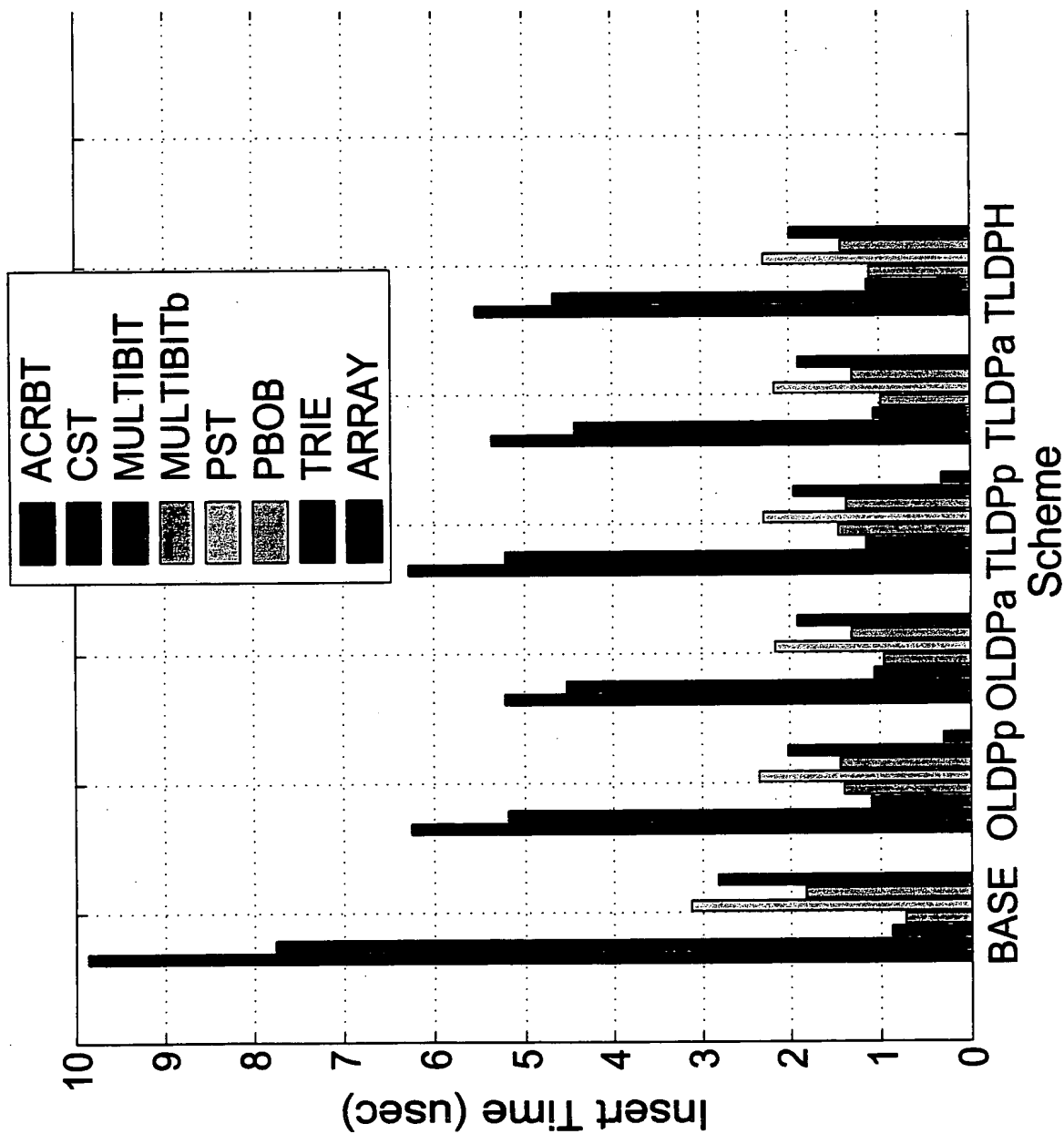


FIG. 8

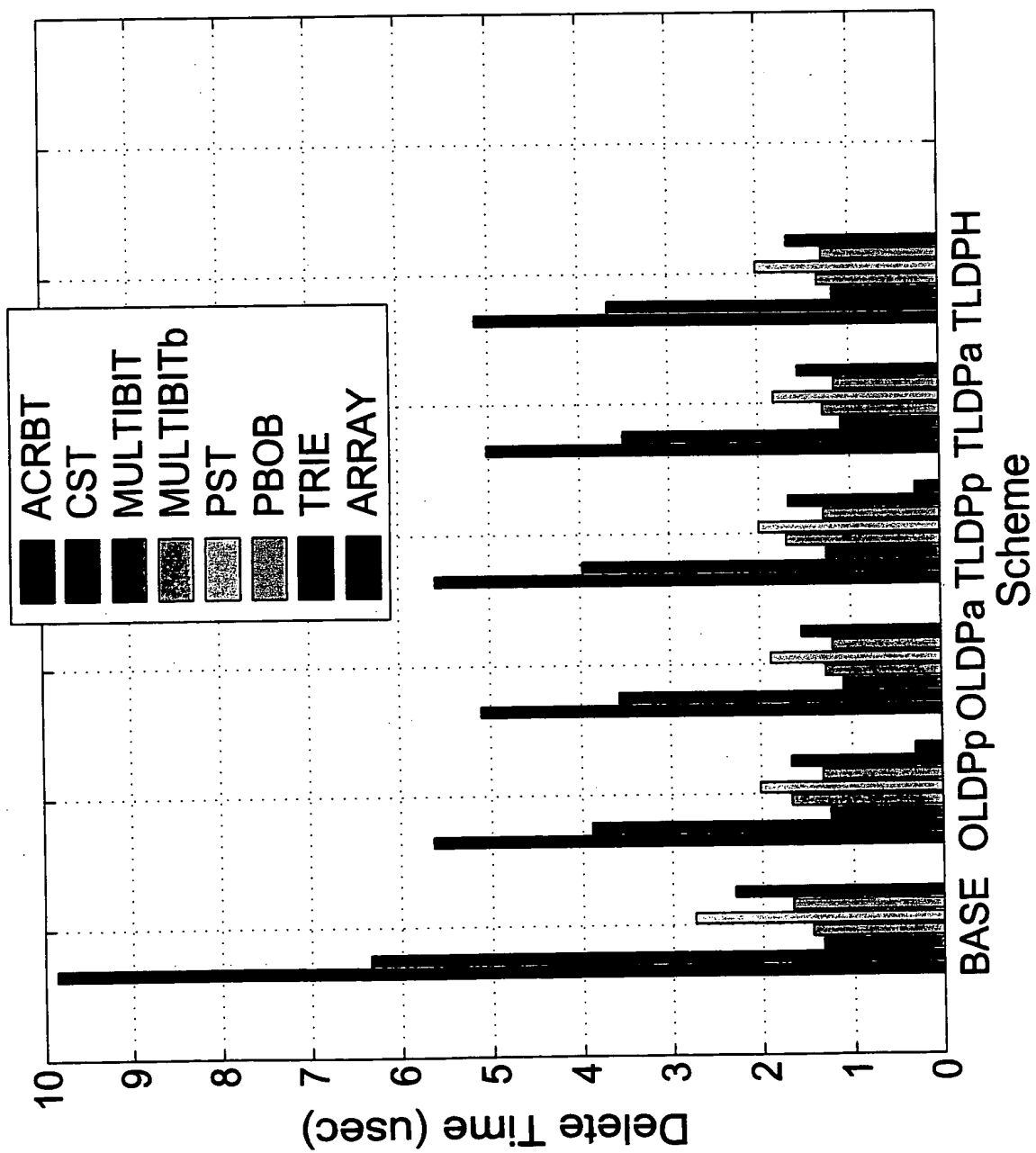


FIG. 9

$P2 = 1*$
 $P3 = 11*$
 $P4 = 101*$
 $P5 = 10001*$
 $P6 = 1100*$
 $P7 = 110000*$
 $P8 = 1100000*$

$001 * (P1b)$
 $010 * (P1c)$
 $011 * (P1d)$
 $100 * (P2)$
 $101 * (P4)$
 $110 * (P3a)$
 $111 * (P3b)$
 $10001 * (P5)$
 $11000 * (P6a)$
 $11001 * (P6b)$
 $1100000 * (P8)$
 $1100001 * (P7)$

FIG. 10A

FIG. 10B

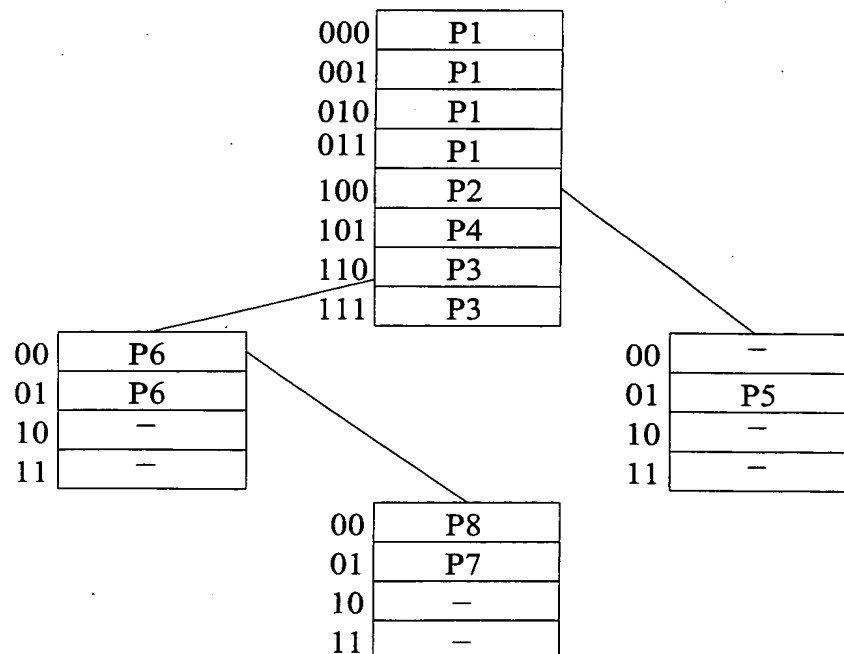


FIG. 11

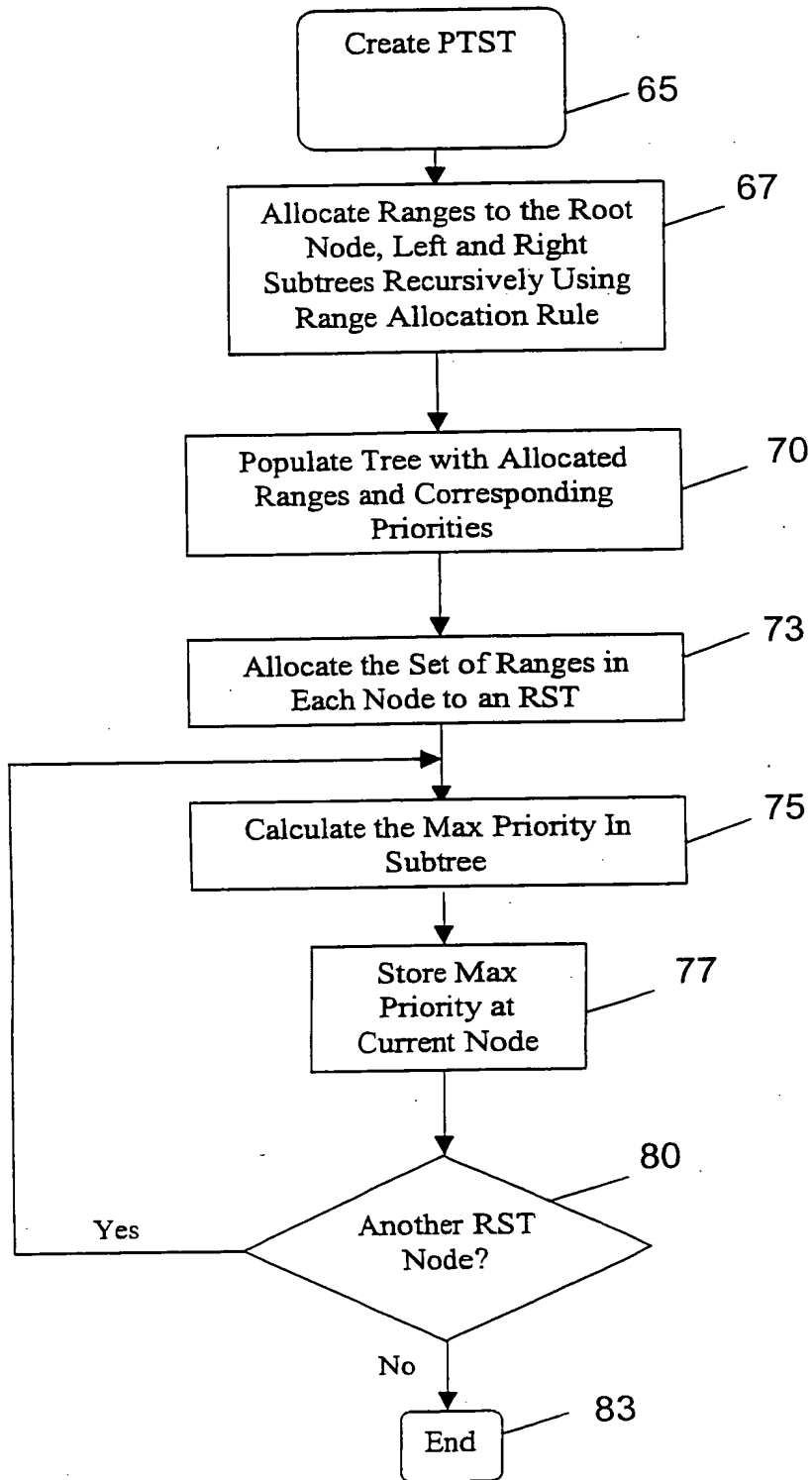


FIG. 12A

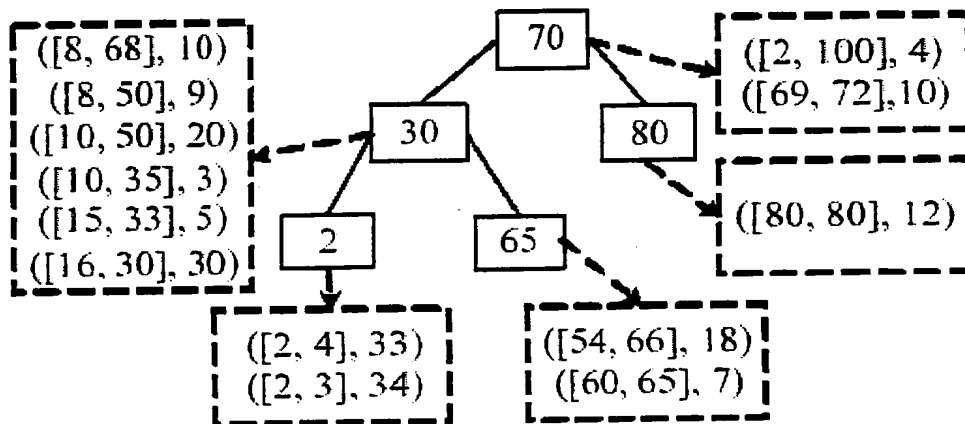


FIG. 12B

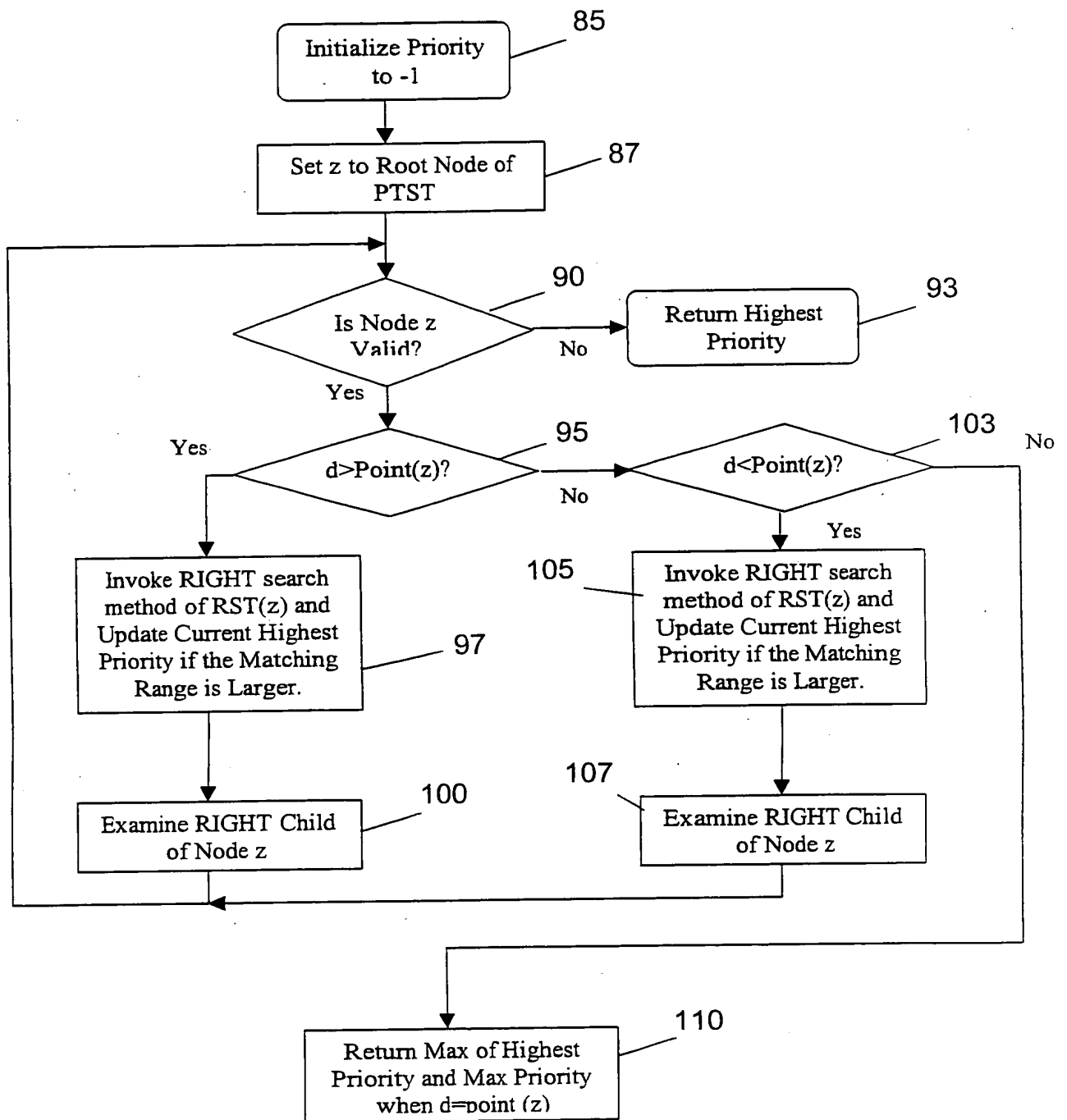


FIG. 13

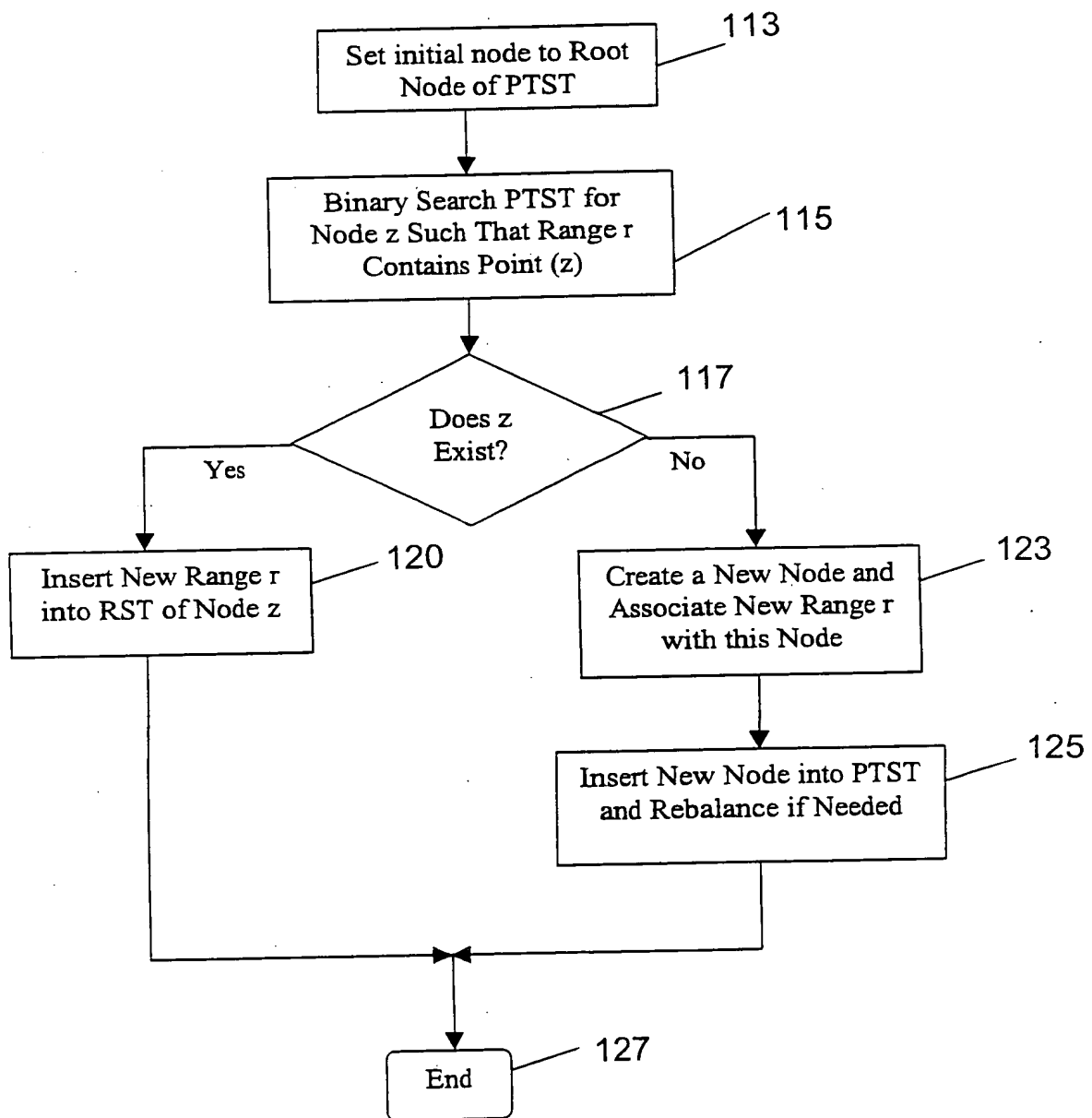


FIG. 14A

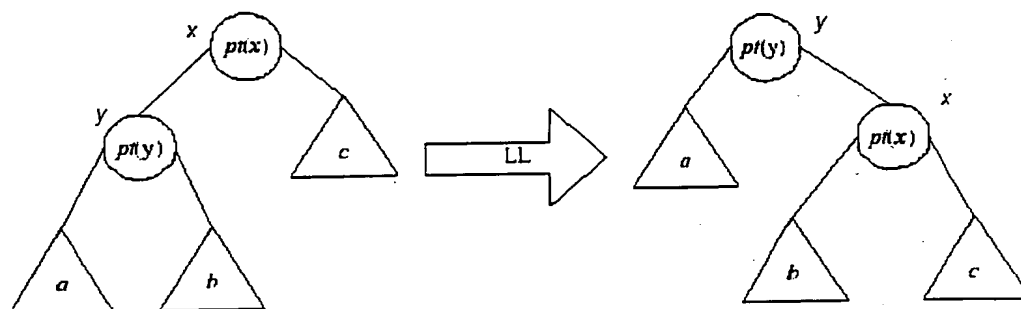


FIG. 14B

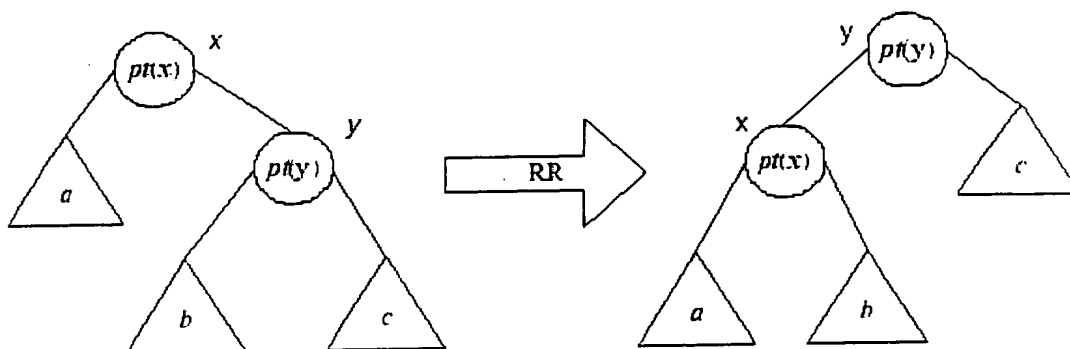


FIG. 14C

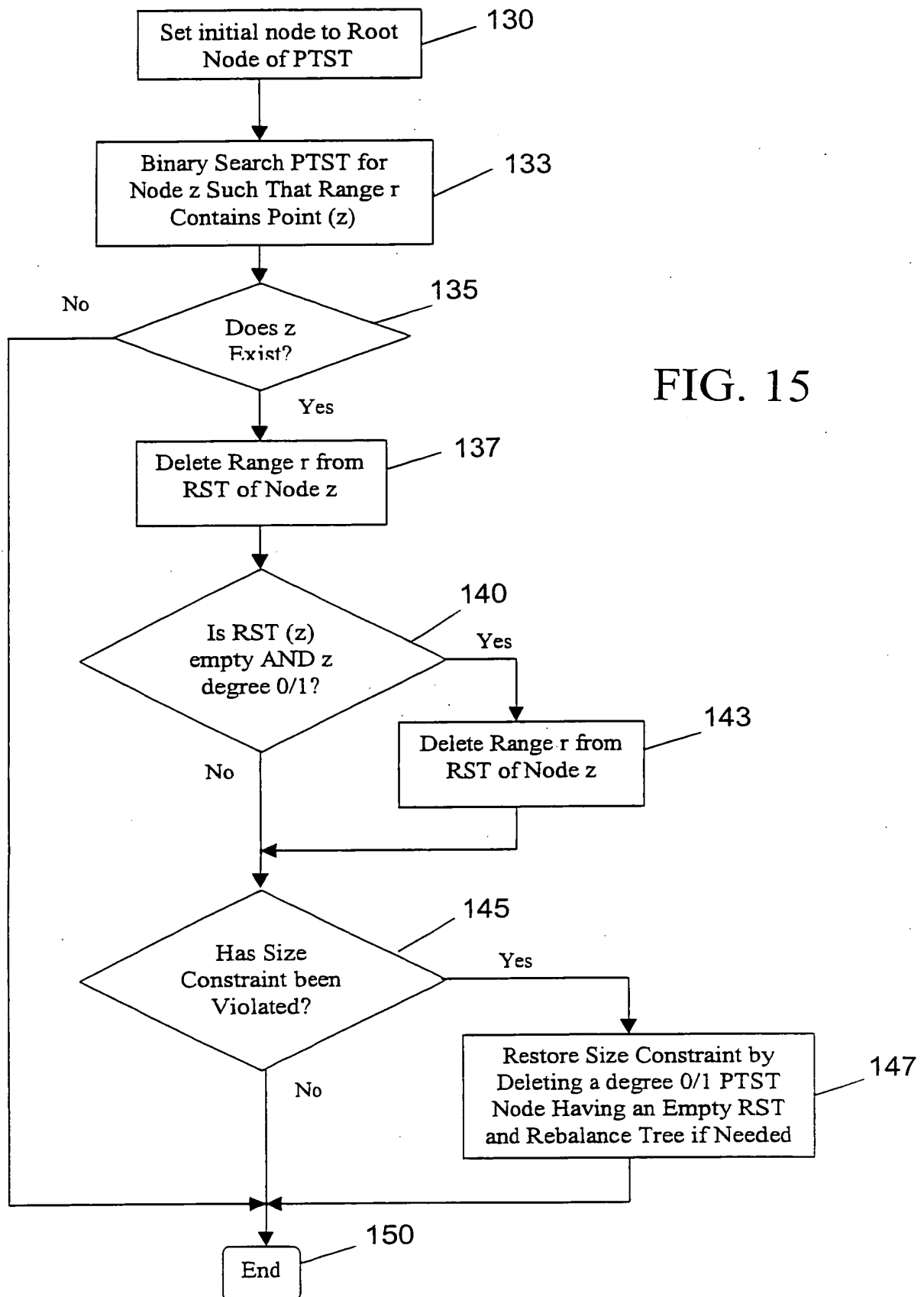
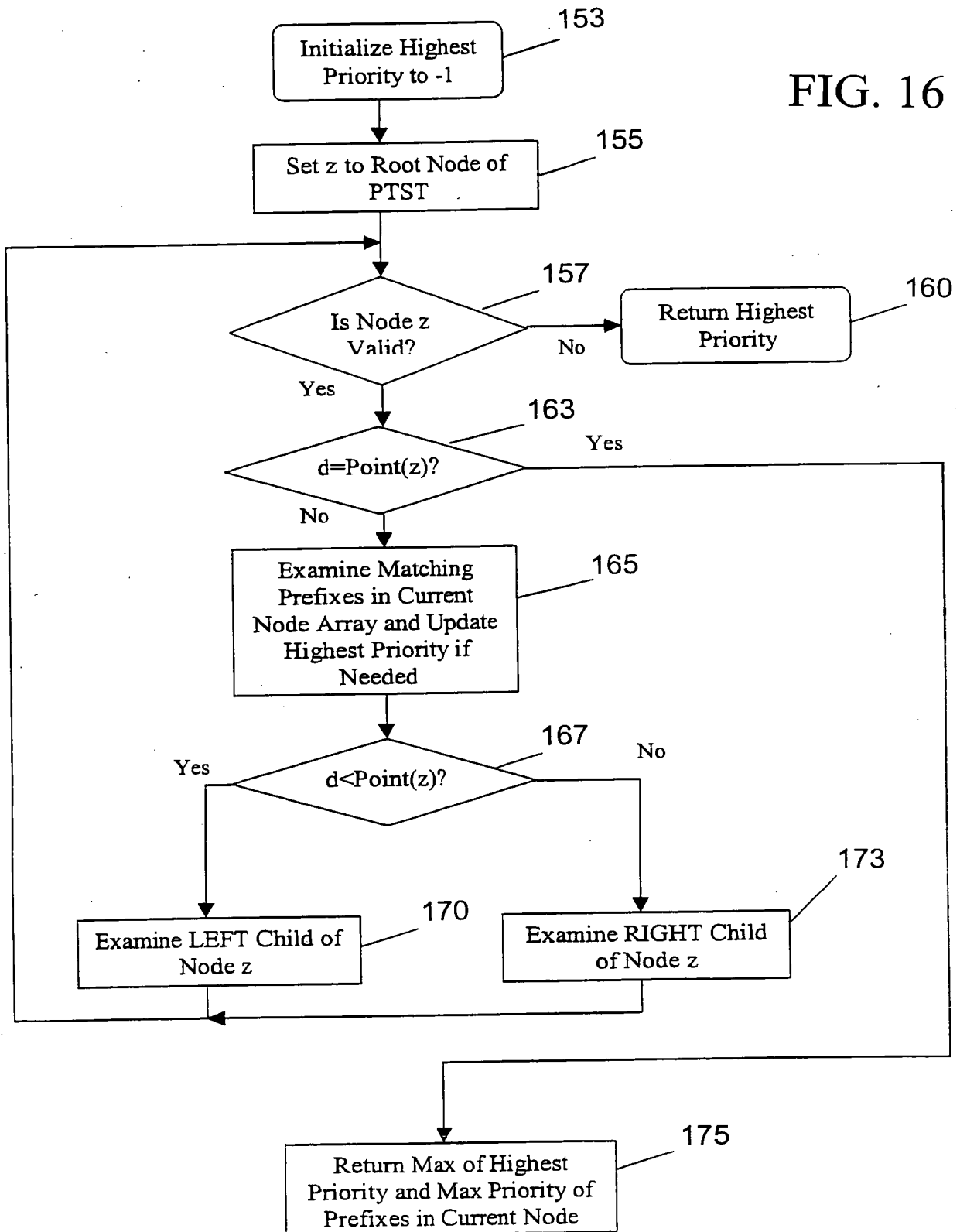


FIG. 16



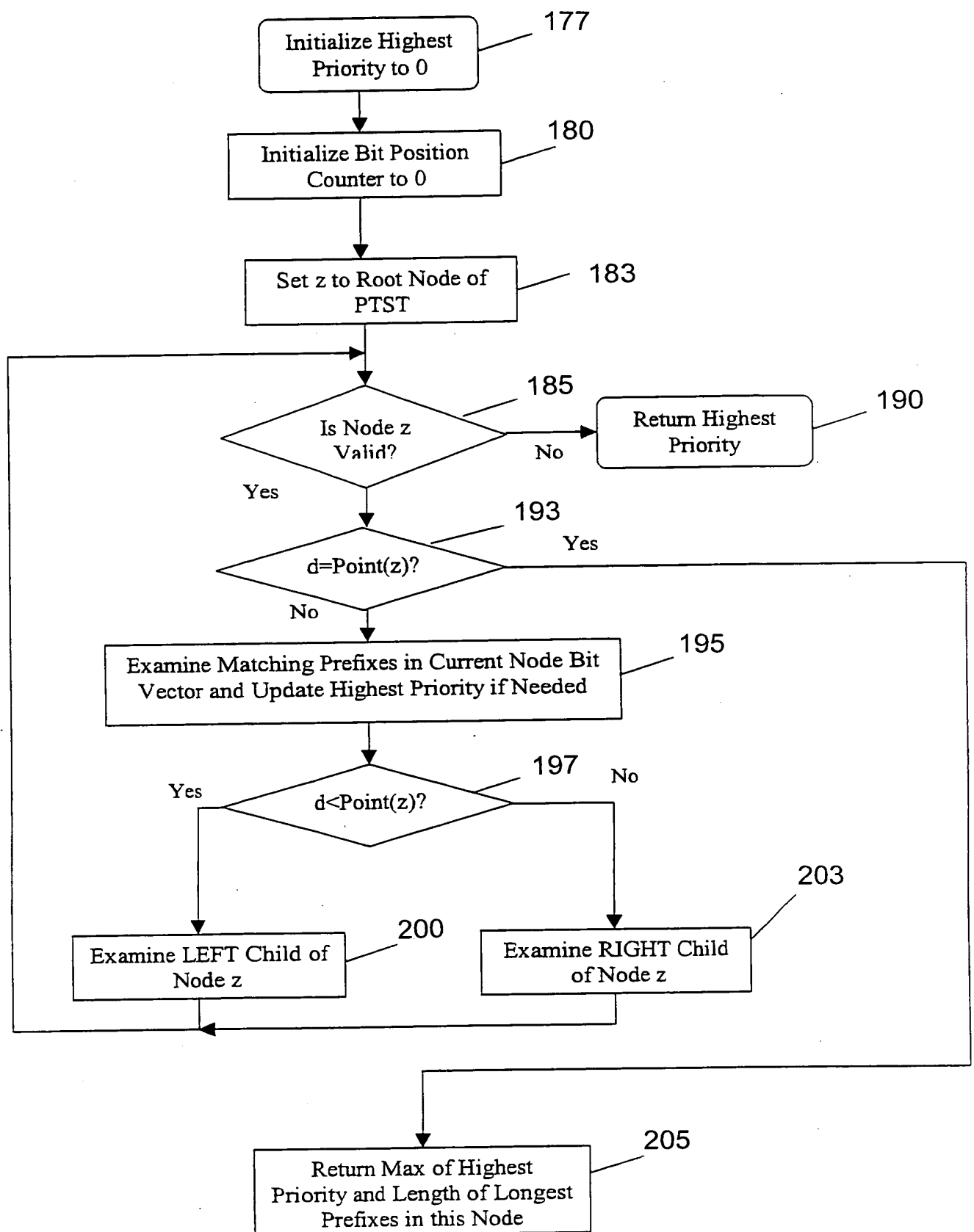


FIG. 17

Database		Paix1	Pb1	MaeWest	Aads	Pb2	Paix2
Num of Prefixes		16172	22225	28889	31827	35303	85988
Measure1 (KB)	PST	884	1215	1579	1740	1930	4702
	BOB	851	1176	1526	1682	1876	4527
	PBOB	357	495	642	708	790	1901
	LMPBOB	357	495	642	708	790	1901
Measure2 (KB)	PST	221	303	395	435	482	1175
	BOB	331	455	592	652	723	1760
	PBOB	189	260	338	372	413	1007
	LMPBOB	189	260	338	372	413	1007

FIG. 18

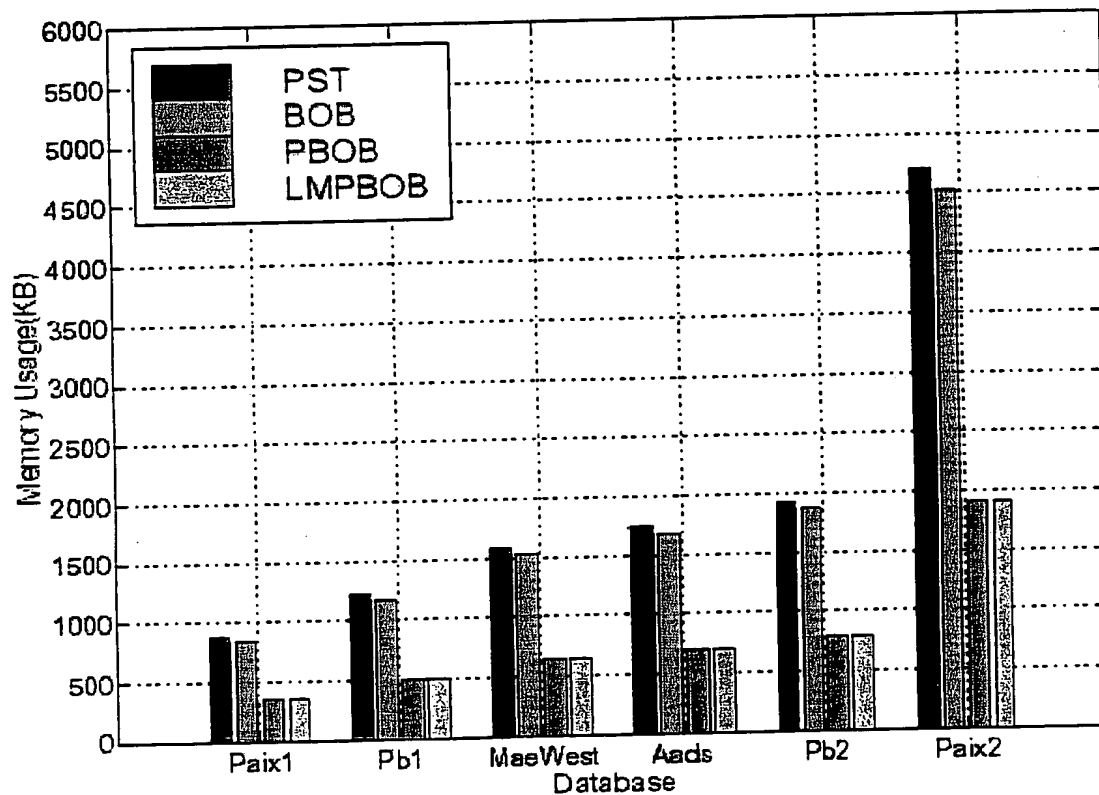


FIG. 19

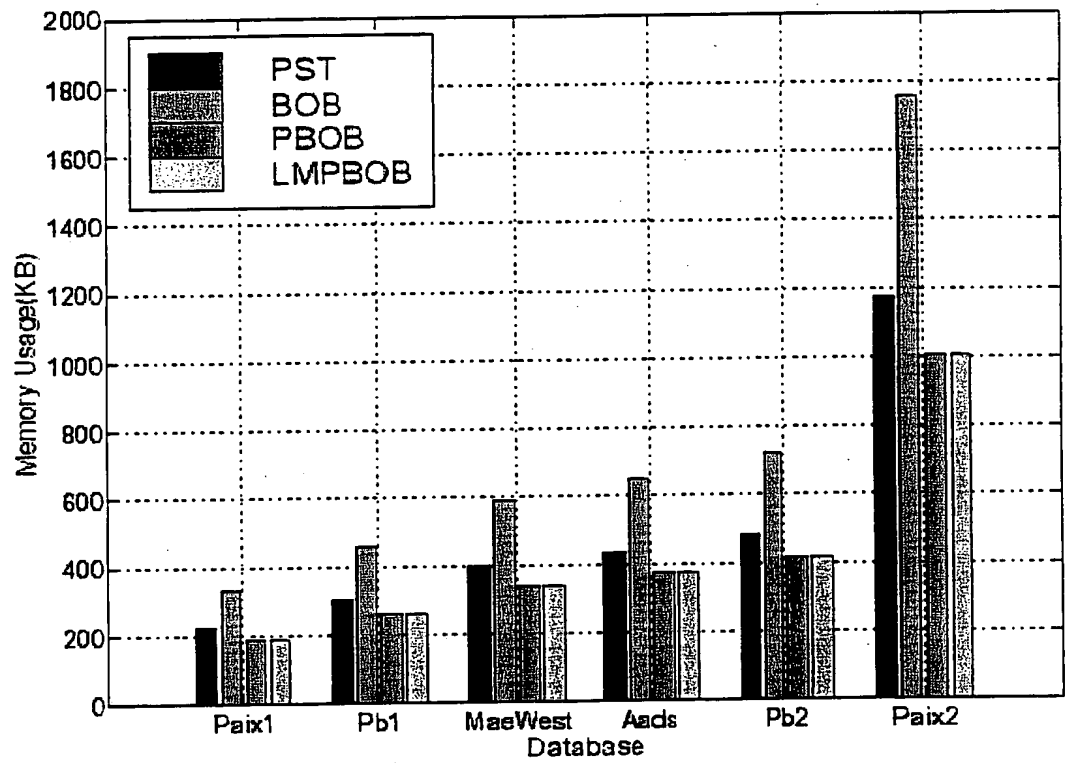


FIG. 20

Database			Pair1	Pb1	MaeWest	Aads	Pb2	Pair2
Search (μ sec)	PST	Mean	1.20	1.35	1.49	1.53	1.57	1.96
		Std	0.01	0.01	0.04	0.01	0.00	0.01
	BOB	Mean	1.22	1.39	1.54	1.56	1.62	2.19
		Std	0.01	0.02	0.02	0.02	0.02	0.01
	PBOB	Mean	0.82	0.98	1.10	1.15	1.20	1.60
		Std	0.01	0.01	0.01	0.01	0.01	0.01
	LMPBOB	Mean	0.87	1.03	1.17	1.21	1.27	1.69
		Std	0.01	0.01	0.01	0.01	0.01	0.01
Insert (μ sec)	PST	Mean	2.17	2.35	2.53	2.60	2.64	3.03
		Std	0.07	0.04	0.03	0.01	0.05	0.01
	BOB	Mean	1.70	1.89	2.06	2.10	2.16	2.55
		Std	0.06	0.06	0.05	0.05	0.05	0.03
	PBOB	Mean	1.04	1.25	1.39	1.44	1.51	1.93
		Std	0.06	0.05	0.00	0.05	0.05	0.06
	LMPBOB	Mean	1.06	1.29	1.47	1.50	1.57	1.98
		Std	0.07	0.07	0.06	0.06	0.04	0.01
Delete (μ sec)	PST	Mean	1.72	1.87	2.06	2.09	2.11	2.48
		Std	0.04	0.05	0.05	0.06	0.04	0.06
	BOB	Mean	1.04	1.13	1.26	1.27	1.32	1.69
		Std	0.06	0.05	0.04	0.05	0.06	0.06
	PBOB	Mean	0.68	0.82	0.90	0.91	0.97	1.30
		Std	0.07	0.06	0.05	0.06	0.03	0.05
	LMPBOB	Mean	0.67	0.82	0.89	0.92	0.95	1.26
		Std	0.06	0.06	0.05	0.05	0.03	0.05
Num of Copies			15	11	9	8	8	3

FIG. 21

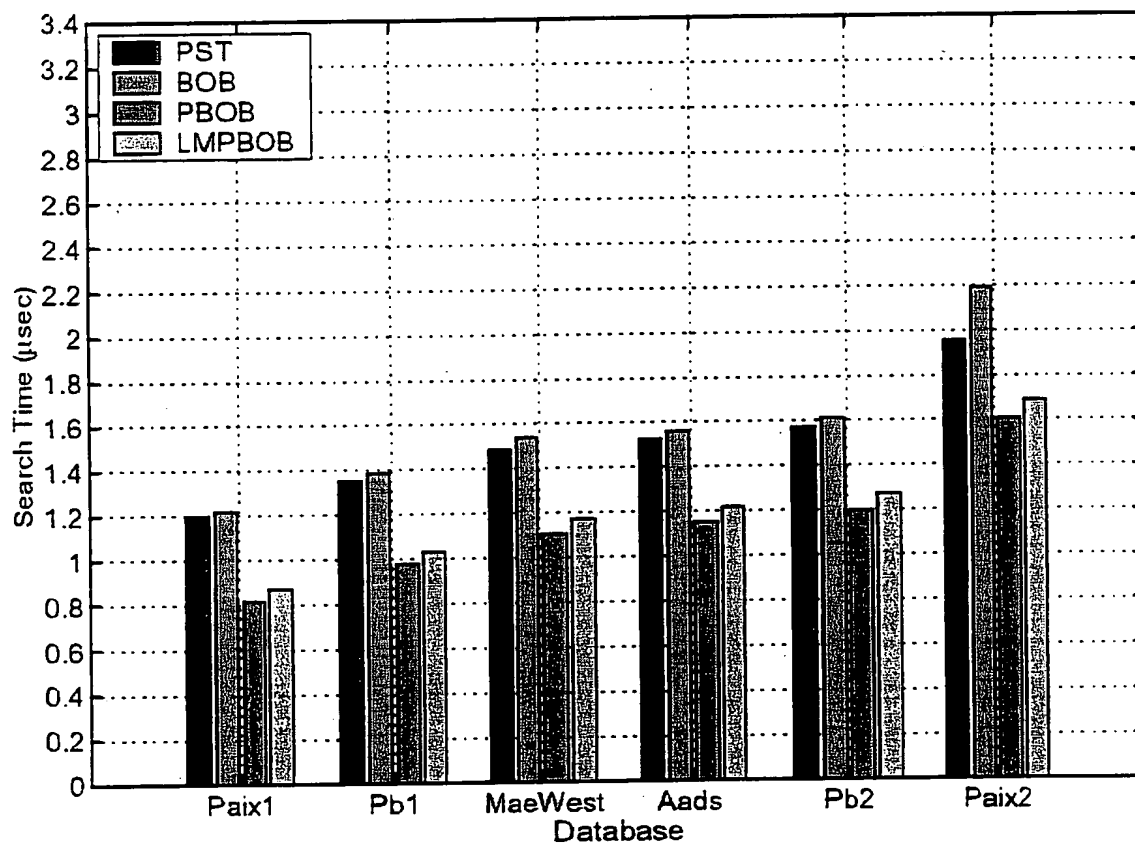


FIG. 22

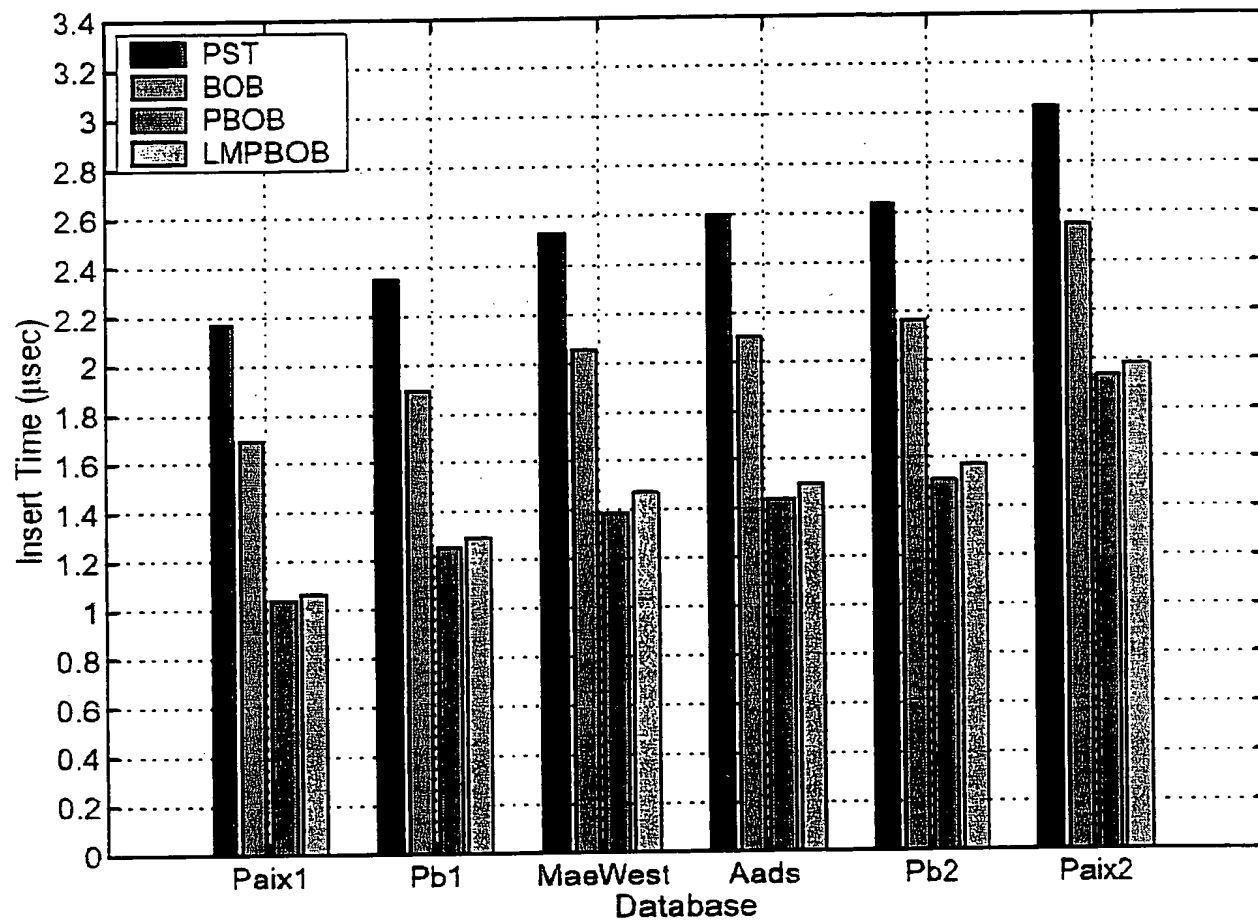


FIG. 23

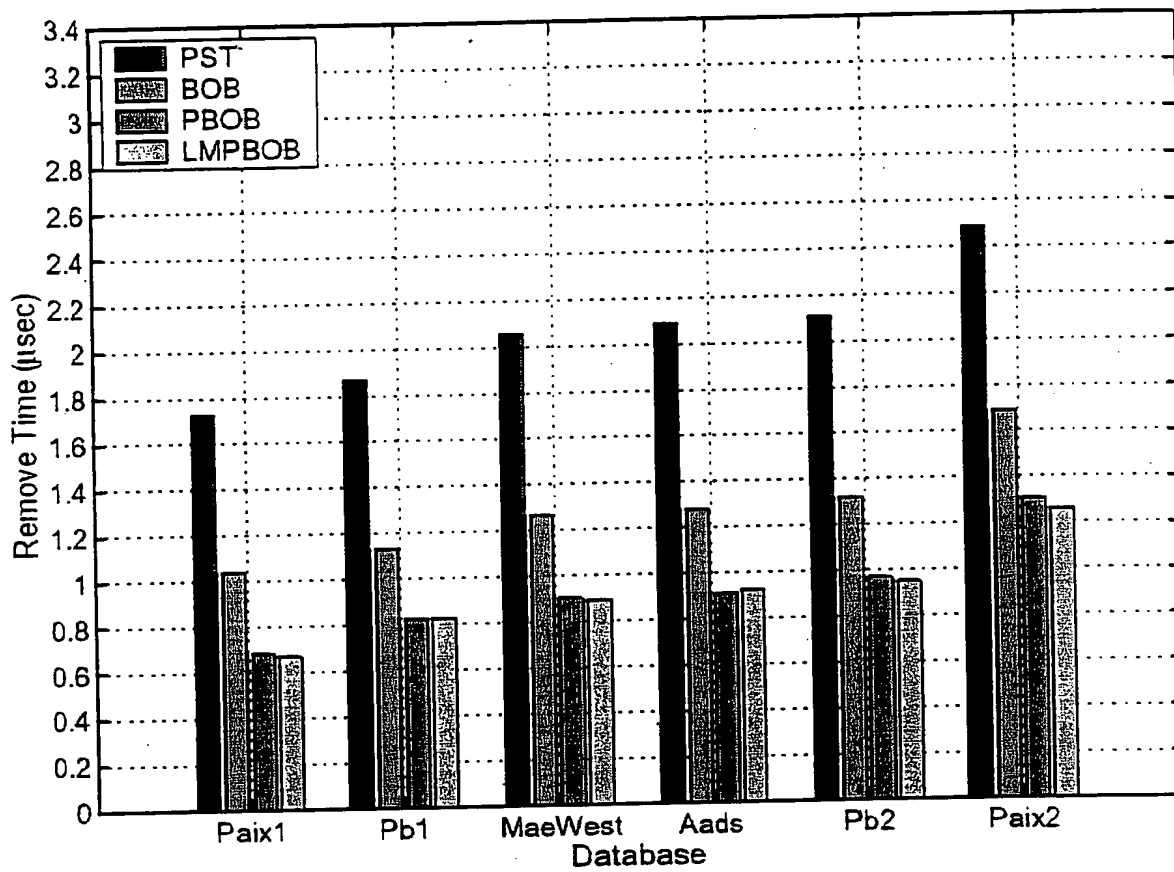


FIG. 24